

RAW SEQUENCE LISTING

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Application Serial Number: 10/748,354
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/748,354

DATE: 02/07/2005
TIME: 08:38:57

Input Set : A:\Transgenic myocardial model.ST25.txt
Output Set: N:\CRF4\02072005\J748354.raw

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3 <110> APPLICANT: MOSS, Richard L.
4           SANT'ANA PEREIRA, Jose A. A.
6 <120> TITLE OF INVENTION: Transgenic model for myocardial function
8 <130> FILE REFERENCE: 054030-0045
10 <140> CURRENT APPLICATION NUMBER: 10/748,354
11 <141> CURRENT FILING DATE: 2003-12-30
13 <160> NUMBER OF SEQ ID NOS: 33
15 <170> SOFTWARE: PatentIn version 3.3
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 10
19 <212> TYPE: PRT
20 <213> ORGANISM: Mus musculus
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25 1           5           10
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29 <211> LENGTH: 10
30 <212> TYPE: PRT
31 <213> ORGANISM: Mus musculus
33 <400> SEQUENCE: 2
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36 1           5           10
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40 <211> LENGTH: 64
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42 <213> ORGANISM: Mus musculus
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47 gagg          64
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51 <211> LENGTH: 21
52 <212> TYPE: PRT
53 <213> ORGANISM: Mus musculus
55 <400> SEQUENCE: 4
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62           20
65 <210> SEQ ID NO: 5
66 <211> LENGTH: 61
67 <212> TYPE: DNA
68 <213> ORGANISM: Sus sp.
70 <400> SEQUENCE: 5

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71 attgctgccatggggaccgcagcaagaag gaccagaccc caggcaaggg caccttgaa      60
73 g                                         61
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78 <212> TYPE: PRT
79 <213> ORGANISM: Sus sp.
81 <400> SEQUENCE: 6
83 Ile Ala Ala Ile Gly Asp Arg Ser Lys Lys Asp Gln Thr Pro Gly Lys
84 1           5           10          15
87 Gly Thr Leu Glu
88           20
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 70
93 <212> TYPE: DNA
94 <213> ORGANISM: Mus musculus
96 <400> SEQUENCE: 7
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99 gtcataggct                                         70
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103 <211> LENGTH: 17
104 <212> TYPE: PRT
105 <213> ORGANISM: Gallus sp.
107 <400> SEQUENCE: 8
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113 Asp
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 18
119 <212> TYPE: PRT
120 <213> ORGANISM: Homo sapiens/Sus sp.
122 <400> SEQUENCE: 9
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125 1           5           10          15
128 Glu Asp
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 18
134 <212> TYPE: PRT
135 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 10
139 Glu Lys Lys Lys Glu Glu Val Thr Ser Gly Lys Met Gln Gly Thr Leu
140 1           5           10          15
143 Glu Asp
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 18
149 <212> TYPE: PRT
150 <213> ORGANISM: Sylvilagus sp.
152 <400> SEQUENCE: 11
154 Asp Lys Lys Lys Glu Glu Ala Thr Ser Gly Lys Met Gln Gly Thr Leu
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158 Glu Asp
162 <210> SEQ ID NO: 12
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164 <212> TYPE: PRT
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177 <210> SEQ ID NO: 13
178 <211> LENGTH: 17
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
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188 Asp
192 <210> SEQ ID NO: 14
193 <211> LENGTH: 17
194 <212> TYPE: PRT
195 <213> ORGANISM: Rattus norvegicus
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199 Asp Arg Ser Lys Lys Asp Asn Pro Asn Ala Asn Lys Gly Thr Leu Glu
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208 <211> LENGTH: 17
209 <212> TYPE: PRT
210 <213> ORGANISM: Mus musculus
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218 Asp
222 <210> SEQ ID NO: 16
223 <211> LENGTH: 16
224 <212> TYPE: PRT
225 <213> ORGANISM: Homo sapiens
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233 <210> SEQ ID NO: 17
234 <211> LENGTH: 16
235 <212> TYPE: PRT
236 <213> ORGANISM: Sus sp.
238 <400> SEQUENCE: 17
240 Asp Arg Ser Lys Lys Asp Gln Thr Pro Gly Lys Gly Thr Leu Glu Asp
241 1 5 10 15
244 <210> SEQ ID NO: 18
245 <211> LENGTH: 16

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246 <212> TYPE: PRT
247 <213> ORGANISM: Rattus norvegicus
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255 <210> SEQ ID NO: 19
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257 <212> TYPE: PRT
258 <213> ORGANISM: Gallus gallus
260 <400> SEQUENCE: 19
262 Ser Glu Gly Glu Ile Thr Val Pro Ser Ile Asp Asp Gln Glu Glu Leu
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267 20 25 30
270 Thr Ala Ile Tyr Leu Thr Gly Ala
271 35 40
274 <210> SEQ ID NO: 20
275 <211> LENGTH: 42
276 <212> TYPE: PRT
277 <213> ORGANISM: Rattus norvegicus
279 <400> SEQUENCE: 20
281 Ser Gln Gly Glu Thr Thr Val Ala Ser Ile Asp Asp Ser Glu Glu His
282 1 5 10 15
285 Met Ala Thr Asp Ser Ala Phe Asp Val Leu Gly Phe Thr Pro Glu Glu
286 20 25 30
289 Lys Asn Ser Ile Tyr Lys Leu Thr Gly Ala
290 35 40
293 <210> SEQ ID NO: 21
294 <211> LENGTH: 40
295 <212> TYPE: PRT
296 <213> ORGANISM: Homo sapiens
298 <400> SEQUENCE: 21
300 Ser Gln Gly Glu Thr Thr Val Ala Ser Ile Asp Asp Ala Glu Glu Leu
301 1 5 10 15
304 Met Ala Thr Asp Asn Ala Phe Asp Val Leu Gly Phe Thr Ser Glu Glu
305 20 25 30
308 Asn Ser Met Tyr Leu Thr Gly Ala
309 35 40
312 <210> SEQ ID NO: 22
313 <211> LENGTH: 40
314 <212> TYPE: PRT
315 <213> ORGANISM: Sus sp.
317 <400> SEQUENCE: 22
319 Ser Gln Gly Glu Thr Thr Val Ala Ser Ile Asp Asp Ala Glu Glu Leu
320 1 5 10 15
323 Met Ala Thr Asp Asn Ala Phe Asp Val Leu Gly Phe Thr Ser Glu Glu
324 20 25 30
327 Asn Ser Met Tyr Leu Thr Gly Ala
328 35 40

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Input Set : A:\Transgenic myocardial model.ST25.txt
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331 <210> SEQ ID NO: 23
332 <211> LENGTH: 40
333 <212> TYPE: PRT
334 <213> ORGANISM: Rattus norvegicus
336 <400> SEQUENCE: 23
338 Ser Gln Gly Glu Val Ser Val Ala Ser Ile Asp Asp Ser Glu Glu Leu
339 1 5 10 15
342 Leu Ala Thr Asp Ser Ala Phe Asp Val Leu Gly Phe Thr Ala Glu Glu
343 20 25 30
346 Ala Gly Val Tyr Leu Thr Gly Ala
347 35 40
350 <210> SEQ ID NO: 24
351 <211> LENGTH: 40
352 <212> TYPE: PRT
353 <213> ORGANISM: Mus musculus
355 <400> SEQUENCE: 24
357 Ser Gln Gly Glu Val Ser Val Ala Ser Ile Asp Asp Ser Glu Glu Leu
358 1 5 10 15
361 Leu Ala Thr Asp Ser Ala Phe Asp Val Leu Ser Phe Thr Ala Glu Glu
362 20 25 30
365 Ala Gly Val Tyr Leu Thr Gly Ala
366 35 40
369 <210> SEQ ID NO: 25
370 <211> LENGTH: 41
371 <212> TYPE: PRT
372 <213> ORGANISM: Sylvilagus sp.
374 <400> SEQUENCE: 25
376 Ser Glu Gly Glu Ile Thr Val Pro Ser Ile Asp Asp Ser Glu Glu Leu
377 1 5 10 15
380 Met Ala Thr Asp Ser Ala Ile Asp Ile Leu Gly Phe Thr Ser Asp Glu
381 20 25 30
384 Arg Val Ser Ile Tyr Leu Thr Gly Ala
385 35 40
388 <210> SEQ ID NO: 26
389 <211> LENGTH: 13
390 <212> TYPE: PRT
391 <213> ORGANISM: Mus musculus
393 <400> SEQUENCE: 26
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396 1 5 10
399 <210> SEQ ID NO: 27
400 <211> LENGTH: 13
401 <212> TYPE: PRT
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404 <400> SEQUENCE: 27
406 Ala Ser Ile Asp Asp Ser Glu Glu Leu Met Ala Thr Asp
407 1 5 10
410 <210> SEQ ID NO: 28
411 <211> LENGTH: 13

VERIFICATION SUMMARY

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